

Attorney Docket No.: 56162.000530

(GV 330)

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MIMO DYNAMIC PSD ALLOCATION FOR DSL NETWORKS

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the specification of which:	☐ is attached hereto. ☐ was filed on: March 25, 2004		
	as United States Application No.:	10/808,549	
	or PCT International Application No.:		·
	and was amended on:		(if applicable).
specification, including the above.	have reviewed and understand the core claims, as amended by any amended	ment specifical	ly referred to
I acknowledge the defined in 37 C.F.R. § 1.56	duty to disclose information which is	material to pa	atentability as
*	Prior Foreign Application(s)		•

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any-foreign-application(s)-for-patent,-inventor's-or-plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed
				Yes No No
				Yes No No
				Yes No No

is claimed:



are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME OF SOLE OR	FIRST	A pe	tition has been filed	for this unsigned inventor
Signature	1 Lanch		Date	5/4/0M
Given Name (first and middle (if any))) Ehud	*	Family Name or Surname	LANGBERG
Citizenship: U	SA		•	
Residence: 4	4 Meadows Lane, Wa	yside, NJ 0	7712	
Mailing Address: 4	4 Meadows Lane, Wa	yside, NJ 0	7712	
	×4.	*		
NAME OF SECOND	INVENTOR:	☐ A be	etition has been filed	for this unsigned inventor
NAME OF SECOND	iitt Litt On.			,
Signature	3		Date	
Given Name (first and middle (if any)) William		Family Name or Surname	SCHOLTZ
Citizenship: U	ISA	·		
Residence: 7	34 Navesink River Ro	ad, Red Ba	nk, NJ 07701	
Mailing Address: 7	34 Navesink River Ro	ad, Red Ba	nk, NJ 07701	
NAME OF THIRD IN	VENTOR.	∧	otition has boon filed	for this unsigned inventor
MANIE OF THIRD IN	VENTOR.		ennon nas been med	Tor and analynea inventor
Signature			Date	
Given Name (first and middle (if any)) Lujing		Family Name or Surname	CAI
Citizenship:	JSA · ·	•		
Residence: 5	17 Imbrie Place, Morç	ganville, NJ	07751	
Mailing Address: 5	17 Imbrie Place, Morç	ganville, NJ	07751	
NAME OF FOURTH	INVENTOR:	□ Ар	etition has been filed	for this unsigned inventor
Signatura			Date	
Signature Given Name (first and middle (if any)) Albert		Family Name or Surname	Rapaport
Citizenship:	srael			
Residence: 1	02 Radcliff Place, Mo	rganville, N	J 07751	
Mailing Address: 1	02 Radcliff Place, Mo	rganville, N	J 07751	

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NAME OF SOLE INVENTOR:	OR FIRST	A petition has been filed	for this unsigned inventor
Signature		Date	0
Given Name (first and middle (if	any)) Ehud	Family Name or Surname	LANGBERG
Citizenship:	USA		*
Residence:	44 Meadows Lane, Ways	side, NJ 07712	
Mailing Address:	44 Meadows Lane, Ways	side, NJ 07712	
	ND INVENTOR.	A notition has been filed	I for this unsigned inventor
NAME OF SECO		A pelition has been filed	
Signature	- Hale	Date	5/5/04
Given Name (first and middle (if	any)) William	Family Name or Surname	SCHOLTZ
Citizenship:	USA		
Residence:	734 Navesink River Roa	d, Red Bank, NJ 07701	
NAME OF THIRD) INVENTOR:	A petition has been filed	d for this unsigned inventor
Signature Given Name (first and middle (if	any)) Lujing	Family Name or Surname	CAI
Citizenship:	USA		
Residence:	517 Imbrie Place, Morga	anville, NJ 07751	
Mailing Address:	517 Imbrie Place, Morga	anville, NJ 07751	
	RTH INVENTOR:	A petition has been file	d for this unsigned inventor
Signature Given Name (first and middle (if	any)) Albert	Family Name or Surname	Rapaport
Citizenship:	Israel	*	
Residence:	102 Radcliff Place, Morg	ganville, NJ 07751	
Mailing Address:	102 Radcliff Place, Morg	ganville, NJ 07751	

HUNTON & WILLIAMS LLP
Intellectual Property Department
1900 K Street, N.W.
Suite 1200
Washington. DC 20006-1109
(202) 955-1500 (telephone); (202) 778-2201 (facsimile)

willful false statements may jeopardize the validity of the application or any patent issuing thereon. A petition has been filed for this unsigned inventor NAME OF SOLE OR FIRST INVENTOR: Date Signature Family Name Given Name LANGBERG or Surname Ehud (first and middle (if any)) USA Citizenship: 44 Meadows Lane, Wayside, NJ 07712 Residence: 44 Meadows Lane, Wayside, NJ 07712 Mailing Address: A petition has been filed for this unsigned inventor NAME OF SECOND INVENTOR: Date Signature Family Name Given Name **SCHOLTZ** William or Surname (first and middle (if any)) **USA** Citizenship: 734 Navesink River Road, Red Bank, NJ 07701 Residence: 734 Navesink River Road, Red Bank, NJ 07701 Mailing Address: A petition has been filed for this unsigned inventor NAME OF THIRD INVENTOR: Date Signature Family Name Given Name CAI or Surname (first and middle (if any)) Lujing USA Citizenship: 517 Imbrie Place, Morganville, NJ 07751 Residence: 517 Imbrie Place, Morganville, NJ 07751 Mailing Address: A petition has been filed for this unsigned inventor NAME OF FOURTH INVENTOR: Date Signature Family Name Given Name or Surname Rapaport Albert (first and middle (if any)) Israel Citizenship: 102 Radcliff Place, Morganville, NJ 07751 Residence: 102 Radcliff Place, Morganville, NJ 07751 Mailing Address:

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are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such

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HUNTON & WILLIAMS LLP Intellectual Property Department 1900 K Street, N.W. Suite 1200 Washington. DC 20006-1109

(202) 955-1500 (telephone): (202) 778-2201 (facsimile)

102 Radcliff Place, Morganville, NJ 07751

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Mailing Address:

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NAME OF FIFTH	INVENTOR:	A pet	ition has been filed	for this unsigned	inventor
Signature	Kany Kin	him	Date	5/5/04	
Given Name (first and middle (if	any)) Shareq		Family Name or Surname	RAHMAN	
Citizenship:	India				
Residence:	308 Pleasant Valley	Road, Morgany	/ille, NJ 07751		
Mailing Address:	308 Pleasant Valley	Road, Morgany	ille, NJ 07751		
NAME OF SIXTH	INVENTOR:	☐ A pe	tition has been filed	for this unsigned	d inventor
Signature			Date	·	<u> </u>
Given Name (first and middle (if	any)) Patrick	-	Family Name or Surname	DUVAUT	
Citizenship:	France				
Residence:	48 Madison Court, 7	Finton Falls, NJ	07712		
Mailing Address:	48 Madison Court, 7	Γinton Falls, NJ	07712		. : .



A petition has been filed for this unsigned inventor NAME OF FIFTH INVENTOR: Date Signature Family Name Given Name **RAHMAN** Shareq or Surname (first and middle (if any)) Citizenship: 308 Pleasant Valley Road, Morganville, NJ 07751 Residence: 308 Pleasant Valley Road, Morganville, NJ 07751 Mailing Address: A petition has been filed for this unsigned inventor NAME OF SIXTH INVENTOR: Date Signature Family Name Given Name DUVAUT **Patrick** (first and middle (if any)) or Surname France Citizenship: 48 Madison Court, Tinton Falls, NJ 07712 Residence:

48 Madison Court, Tinton Falls, NJ 07712

Mailing Address: